

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 February 2005 (03.02.2005)

PCT

(10) International Publication Number
WO 2005/010119 A3

(51) International Patent Classification⁷: **C09J 161/20**,
C08L 97/02, B27N 3/00

(21) International Application Number:
PCT/NL2004/000540

(22) International Filing Date: 27 July 2004 (27.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1024010 28 July 2003 (28.07.2003) NL
1024036 4 August 2003 (04.08.2003) NL
1024319 18 September 2003 (18.09.2003) NL

(71) Applicant (*for all designated States except US*): DSM IP
ASSETS B.V. [NL/NL]; Het Overloon 1, NL-6411 TE
Heerlen (NL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): BENTHEM VAN,
Rudolfus, Antonius, Theodorus, Maria [NL/NL];
Sportlaan 9, NL-6141 BR Limbricht (NL). HAAS DE,
Jacob Leendert [NL/NL]; Provencestraat 14, NL-6137
JP Sittard (NL). KELJZER DE, Augustinus, Eugene,
Henk [NL/NL]; Broekstraat 38, NL-6133 BP Sittard (NL).
BONEKAMP, Karel, Franciscus, Hubertus [NL/NL];
Brederodestraat 21, NL-6181 BE Elsloo (NL).

(74) Agent: KOSTER, Nico; DSM Intellectual Property,
P.O.Box 9, NL-6160 MA Geleen (NL).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
31 March 2005

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: ADHESIVE COMPOSITION COMPRISING A FORMALDEHYDE-CONTAINING AMINOPLAST RESIN AND A
CATALYSING COMPOUND

(57) Abstract: The invention relates to an adhesive composition comprising a formaldehyde-containing aminoplast resin and a
catalysing compound, with the catalysing compound being an acid or is able to release an acid with a pKa lower than 4 and with the
formaldehyde-containing aminoplast resin having a F/(NH₂)₂ ratio lower than or equal to 1. The catalysing compound comprises at
most 11 wt.% of an ammonium salt. The invention also relates to a process for the preparation of board material using the adhesive
composition according to the invention and to the board material thus obtainable.



WO 2005/010119 A3